

Work Order ID 60414 -2

July 7, 2010 11:12:54 AM

Page 1

Item ID: D350-561-141

Accept

Revision ID:

Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10 Start Qty: 2.00

Required Date: 7/14/10 Req'd Qty: 2.00

Reference:

Approvals: Process Plan: CZ

Date: 10/7/10

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

N/A

Rev N/A

100



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile and create labels per PPP D350-561-141 CHG003

0.00

0.00

105



Packaging

Packaging

Pick Kit

Memo

0.00

0.00

110



QC

Quality Control

QC4- 100% Inspect kits for completeness

Memo

0.00

0.00

5. Sisolokuy

10-7-8sf

(X)

Sisolokuy

**Work Order ID 60414**

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Page 2

Item ID: D350-561-141

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10 Start Qty: 2.00



Required Date: 7/14/10 Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120



Packaging

Packaging

0.00

~~PP 60415~~

Packaging

Memo

0.00

Revc

Revc

10/7/10 ①

Identify and pack for shipping as per PPP D350-561-141

130



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

Memo



10-7-15

MF  
10-7-14



# Picklist Print

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Page 1

Work Order ID: 60414

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10

Required Date: 7/14/10

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP A 07.07.26 new issue (DS19379) EC verified by:JLM IPP rev  
B 10.02.16 per ecn 10-523 EC verified by: DD IPP Rev:C add pick kit  
DD 10.03.15 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2011-101 5 72" Mirror		Manufactured	No			105	Each	26.0000	1	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST231				26					
				58398				26					
D2012-105 5 2" Arm		Manufactured	No			105	Each	4.0000	1	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST229				4					
				57544				4					
D2012-107 8 2" Clevis		Manufactured	No			105	Each	27.0000	1	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST004				27					
				40274				9					
				46634				18					
D2012-111 6 2" Bracket		Manufactured	No			105	Each	14.0000	1	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST004				14					
				40148				14					

# Picklist Print

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Work Order ID: 60414

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10

Required Date: 7/14/10

Start Qty: 2.00

Required Qty: 2.00

D2012-115



Bracket, Clevis

Manufactured No

105 Each

55.0000



1

2

10-7-8 SP

Location

Loc Qty

Loc Code

ST004

55

25581

55

105 Each

146.0000



2

4

10-7-8 SP

D2022-101



Spacer

Manufactured No

Location

Loc Qty

Loc Code

ST504

146

50746

46

52325

100

105 Each

9.0000



1

2

10-7-8 SP

D3629-1



Bracket

Manufactured No

Location

Loc Qty

Loc Code

ST244A

9

48560

9

105 Each

1.0000



1

2

10-7-8 SP

D3635-1



Gasket

Manufactured No

Location

Loc Qty

Loc Code

ST076

1

52914

1

105 Each

40.0000



2

4

10-7-8 SP

D3635-3



Gasket

Manufactured No

Location

Loc Qty

Loc Code

ST076

40

56399

40

2

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Shop Packet Print

Page 2

B6-42714 Lu  
10/7/14



# Picklist Print

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Work Order ID: 60414

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10

Required Date: 7/14/10

Start Qty: 2.00

Required Qty: 2.00

D3646-1

Manufactured

No

105

Each

10.0000

1

2



*10-7-8 SP*



Arm

Location

Loc Qty

Loc Code

ST229

10

58836

10

D3646-3

Manufactured

No

105

Each

8.0000

1

2



*2*  
*10-7-8 SP*



Arm

Location

Loc Qty

Loc Code

ST229

8

52668

3

58837

5

D4070-041

Manufactured

No

105

Each

69.0000

2

4



*2*  
*10-7-8 SP*



Clamp

Location

Loc Qty

Loc Code

ST460

69

56381

69

AN3-4A

Purchased

No

105

Each

1,336.000

3

6



*9*  
*10-7-8 SP*



Bolt

Location

Loc Qty

Loc Code

ST350

1336

104214

207

104291

300

104322

200

104374

200

104625

300

104817

129

*6*

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Shop Packet Print

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# Picklist Print

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Page 4 15

Work Order ID: 60414

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10

Required Date: 7/14/10

Start Qty: 2.00

Required Qty: 2.00

AN3-6A

Purchased

No

105

Each

317.0000

1

2



Bolt



10-7-8 SP

## Location

## Loc Qty

## Loc Code

ST351

317

113359

117

114941

200

AN4-5A

Purchased

No

105

Each

307.0000

3

6



Bolt



10-7-8 SP

## Location

## Loc Qty

## Loc Code

ST356

307

114108

13

114330

194

115016

100

AN4-10A

Purchased

No

105

Each

124.0000

1

2



Bolt



10-7-8 SP

## Location

## Loc Qty

## Loc Code

ST356

124

113422

24

114523

100

AN960JD10

NAS1149D0363J

Purchased

No

105

Each

0.0000

8

16



Washer



1114884

10-7-8 SP

AN960JD416

NAS1149D0463J

Purchased

No

105

Each

16.0000

8

16



Washer



1115000

10-7-8 SP

## Location

## Loc Qty

## Loc Code

ST351

16

108827

16

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# Picklist Print

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Work Order ID: 60414

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

MS21042L3



Nut

Purchased

No

105

Each

2,835.000

4

8

Start Date: 7/07/10

Start Qty: 2.00

Required Date: 7/14/10

Required Qty: 2.00



10-7-8 sf

## Location

ST300

## Loc Qty

2835

114523

353

114718

482

114784

2000

## Loc Code

8

MS21042L4



Nut

Purchased

No

105

Each

4,412.000

4

8



10-7-8 sf

## Location

ST300

## Loc Qty

4400

113422

68

114523

28

114718

304

114784

2000

115108

2000

ST356

12

108145

12

## Loc Code

8

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Shop Packet Print

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**Work Order ID 60414**

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Page 1

Item ID: D350-561-141

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 7/07/10 Start Qty: 2.00



Cust Item ID:

Required Date: 7/14/10 Req'd Qty: 2.00



Customer:

Reference:

Run Start

Approvals: Process Plan: *CL*

Date: 10/7/10

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

N/A

Rev N/A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-561-141 CHG003

REFERENCE ONLY

*CL 10/7/10*

105

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

110

0.00



QC4- 100% Inspect kits for completeness

QC

Memo

0.00

Quality Control



# DART SERVICE INSTRUCTION REFERENCE ONLY

TO AMEND INSTALLATION INSTRUCTIONS D350-561 REV. C

REF. CANADIAN STC: SH91-20 ISSUE 2

REF. FAA STC: SH856NE

To reduce vibration, Dart has developed the D350-561-141/-143 Mirror Installations to replace the D350-561-041/-043 Mirror Installations. For customers with D350-561-041/-043 Mirror Installations at CHG 005 or earlier who would like to upgrade their installation, the DSI 9379-011 Upgrade Kit can be obtained from Dart. The components for DSI 9379-011 Kit are as defined in Section 1.0 below.

Customers upgrading their installation from D350-561-041/-043 to D350-561-141/-143 should follow instructions given in Figures 1 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

Customers who are installing a D350-561-141/-143, should refer to Figures 2 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

This service instruction details the D350-561-141/-143 kits at CHANGE 003 or later, which use D4070-041 Clamps (replaces MS21919WDG7 clamps). For -141/-143 kits at earlier change numbers, the DSI-9379-013 Upgrade kit is available to replace the mil-spec clamps with more robust D4070-041 Clamps.

## 1.0 PARTS LIST

Qty -141	Qty -143	Qty -045	Qty -011	Qty -013	Part Number	Description
X	1				D350-561-141	SINGLE MIRROR INSTALLATION (REPLACES -041)
	X				D350-561-143	DUAL MIRROR INSTALLATION (REPLACES -043)
	1	X			D350-561-045	MIRROR KIT
			X		DSI-9379-011	UPGRADE KIT
				X	DSI-9379-013	UPGRADE KIT
1		1			D2011-101	MIRROR
1					D2012-105	ARM
1					D2012-107	CLEVIS
1					D2012-111	BRACKET
		2			D2012-113	CLAMP
1					D2012-115	BRACKET
2					D2022-101	SPACER
1*		1*			D3014-1	LOCKNUT
1			1		D3629-1	BRACKET
1			1		D3635-1	GASKET
2			2		D3635-3	GASKET
1			1		D3646-1	ARM
1			1		D3646-3	ARM
2			2	2	D4070-041	CLAMP
3			3		AN3-4A	BOLT
1					AN3-6A	BOLT
3			2	2	AN4-5A	BOLT
1					AN4-10A	BOLT
8			6		AN960JD10	WASHER
8			4	4	AN960JD416	WASHER
1*		1*			AN960JD416L	WASHER
4			3		MS21042L3	NUT (OR MS21042-3)
4			2	2	MS21042L4	NUT (OR MS21042-4)

\*INCLUDED AS PART OF D2011-101 MIRROR

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *D. Shepherd*  
D. SHEPHERD (DE # 02)

DATE: 10.02.12  
CERT. NO.: SH91-20  
ISSUE NO.: 2

C	D4070-041 WAS MS21919WDG7	CP	10.02.12
B	MS21919WDG7 WAS MS21929WDG7	DC	07.11.26
A	NEW ISSUE	MB	07.07.10
REV.	DESCRIPTION	BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		DSI 9379	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		CARGO MIRROR UPDRAGE KIT	NTS
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